

# ALTERNATIVE 4 ADDITIONAL CHANNEL ON EAST SIDE OF BEARDSLEY CANAL



## LEGEND

- NATIVE DESERTSCAPED CHANNEL & TRAILS
- TRAILS
- BURIED BANK PROTECTION
- CULVERTS

## ALTERNATIVE 4 DESCRIPTION

This alternative consists of capturing breakout flow and directing it to an additional native desertscaped earthen channel on the east side of the Beardsley Canal from Olive to Northern Avenues. Alternative 4 also includes trails from the White Tanks Flood Retarding Structure #3 to Olive Avenue and culverts at both Northern and Olive Avenues. The natural wash will remain undisturbed on the west side of the Beardsley Canal between Olive and Northern Avenues.

## VISUAL CHARACTERISTICS

- Variable width native desertscaped earthen channel parallel to the east side of the existing Beardsley Canal. Native desertscaped earthen channel is significantly smaller than the west side channel in Alternative 1. No changes made to the visual characteristic of the existing wash on the west side of the Beardsley Canal.
- Design and grading will attempt to re-naturalize the channel corridor to be reflective of the topography and character of nearby natural washes.
- Designed to provide opportunities for future recreational trail linkages.
- Revegetation and/or restoration will be accomplished using native seed mixes and select tree plantings.
- The native desert palette includes native Sonoran desert plant species patterned and arranged to reflect the density and patterns found in the washes and foothills of the White Tank Mountains.
- Buried embankment protection at the confluence with Cholla Wash and south of Northern Avenue re-naturalized with native seed mixes.

## OPPORTUNITIES

- Provides 100-year flood protection to the properties east of Beardsley Canal by preventing flow breakouts.
- Provides native desertscaped open space corridor including equestrian and pedestrian trails from the White Tanks Flood Retarding Structure #3 to Olive Avenue.
- Provides a 100-year crossing across the wash at both Northern and Olive Avenues.
- No impact on Sonoran Ridge Estates or the State Land Department.
- Requires least effort for the maintenance.
- Provides flexibility to potentially divert flow along Northern Avenue Diversion to the Agua Fria River.
- Creates desirable open space corridor for Maricopa Water District from Northern Avenue to Olive Avenue.
- Creates lowest construction impact to the neighborhood.
- Small area of natural desert disturbed.
- Least cost.

## CONSTRAINTS

- 19.5 acres of right-of-way is required through Maricopa Water District.

## PROJECT COST

\$3.5 million

**NORTH INLET CHANNEL**  
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